

Abstract of the Disclosure

5 METHOD AND APPARATUS FOR CONTROLLING
 POSITIONING OF AN IMPLEMENT OF A WORK MACHINE

 An apparatus for controllably positioning a
work implement of an earth moving machine is
disclosed. The work implement includes a boom and an
10 attachment being attached thereto where the boom is
actuated by a hydraulic lift cylinder and the
attachment is actuated by a hydraulic tilt cylinder.
Implement position sensors sense the elevational
position of the boom and the pivotal position of the
15 attachment and responsively produce respective
implement position signals. A controller that
receives the implement position signals, compares the
relative position of the boom and the attachment with
a pre-determined boundary condition, and produces an
20 electrical valve signal. A valve assembly receives
the electrical valve signal and controllably provides
hydraulic fluid flow to the respective hydraulic
cylinders in response to a magnitude of the electrical
valve signal.